Performance Data Sheet

VSC9530ZXT

General Information

Model	VSC9530ZXT	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	42800	39800	36800	33600	30300	26900	23300
	Watts	2660	2990	3360	3770	4250	4800	5430
	Amps	8.36	9.39	10.5	11.8	13.3	15.1	17.0
	Lb/h	678	670	661	651	640	627	614
25	Btu/h	47200	43900	40600	37100	33500	29800	25800
	Watts	2670	3000	3370	3780	4260	4800	5430
	Amps	8.37	9.42	10.6	11.9	13.4	15.1	17.0
	Lb/h	752	743	734	724	712	700	688
30	Btu/h	51900	48300	44600	40900	36900	32900	28600
	Watts	2670	3000	3380	3790	4270	4810	5420
	Amps	8.37	9.43	10.6	11.9	13.4	15.1	17.0
	Lb/h	832	823	814	803	792	780	768
35	Btu/h	56900	53000	49000	44900	40600	36200	31600
	Watts	2660	3000	3380	3800	4270	4810	5420
	Amps	8.33	9.42	10.6	11.9	13.4	15.1	17.0
	Lb/h	919	910	900	890	879	867	856
40	Btu/h	62200	58000	53600	49200	44500	39800	34800
	Watts	2640	2990	3370	3800	4270	4810	5420
	Amps	8.27	9.38	10.6	11.9	13.4	15.1	17.0
	Lb/h	1010	1000	994	984	973	962	951
45	Btu/h	67900	63300	58600	53700	48700	43600	38200
	Watts	2600	2970	3360	3790	4270	4800	5410
	Amps	8.17	9.31	10.5	11.9	13.4	15.1	17.0
	Lb/h	1120	1110	1100	1090	1080	1060	1050
50	Btu/h	73900	68900	63800	58600	53200	47600	41900
	Watts	2560	2930	3330	3770	4250	4790	5400
	Amps	8.02	9.20	10.5	11.8	13.3	15.0	17.0
	Lb/h	1230	1220	1210	1200	1190	1180	1170

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.279357E+04	4.352218E+02	1.365627E+00	3.750465E+02
C2	9.530128E+02	-8.782743E+00	-2.755826E-02	1.288231E+01

C3	-2.000917E+02	3.520561E+01	1.104672E-01	2.087113E+00
C4	7.877790E+00	-2.351571E-01	-7.378698E-04	7.325134E-02
C5	-3.735125E+00	3.431046E-01	1.076584E-03	-4.996272E-02
C6	4.408467E-01	-2.463888E-01	-7.731123E-04	-1.875205E-02
C7	1.117925E-02	-1.951586E-03	-6.123634E-06	5.759540E-04
C8	-3.312588E-02	2.950890E-03	9.259222E-06	1.448140E-04
C9	-4.102958E-03	-2.292997E-03	-7.194905E-06	1.903054E-04
C10	-3.108517E-03	1.805195E-03	5.664294E-06	2.930658E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature